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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:  
John P. CUMINGS et al.

Serial No.: 09/915,196

Group Art Unit: 2879

Filing Date: July 24, 2001

Examiner: Unassigned

Title: TELESCOPED MULTIWALL NANOTUBE AND MANUFACTURE THEREOF

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, DC 20231

Sir:

This is a Supplemental Information Disclosure Statement submitted for the Examiner's consideration. Applicants respectfully request that the Examiner review and make of record the references identified below.

Form PTO-1449 listing the references accompanies this paper. Applicants would appreciate the Examiner's initialing and returning the form to indicate that the references have been reviewed and made of record. The references are as follows:

OTHER DOCUMENTS
Benedict et al. (1998), "Microscopic Determination of the Interlayer Binding Energy in Graphite," <i>Chemical Physics Letters</i> <u>286</u> :490-496.
Collins et al. (1997), "Nanotube Nanodevice," <i>Science</i> <u>278</u> :100-103.
Crespi et al. (1999), "Sliding, Stretching, and Tapering: Recent Structural Results for Carbon Nanotubes," <i>Electronic Properties of Novel Materials – Science and Technology of Molecular Nanostructures</i> , Kuzmany et al., Eds., American Institute of Physics, College Park, Maryland, pp. 364-368.
Cumings et al. (2000), "Peeling and Sharpening Multiwall Nanotubes," <i>Nature</i> <u>406</u> :586.
Falvo et al. (1997), "Bending and Buckling of Carbon Nanotubes Under Large Strain," <i>Nature</i> <u>389</u> :582-584.
Falvo et al. (1998), "Nanomanipulation Experiments Exploring Frictional and Mechanical Properties of Carbon Nanotubes," <i>Micropscopy and Microanalysis</i> <u>4</u> :504-512.

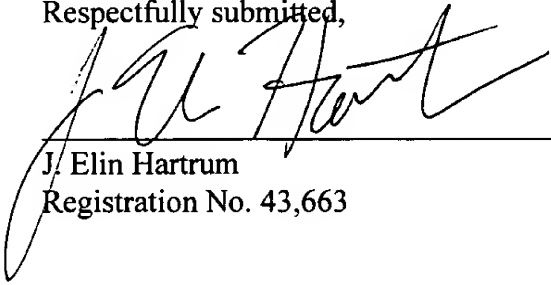
OTHER DOCUMENTS
Hamada et al. (1992), "New One-Dimensional Conductors: Graphitic Microtubules," <i>Physical Review Letters</i> <u>68</u> (10):1579-1581.
Iijima (1991), "Helical Microtubules of Graphitic Carbon," <i>Nature</i> <u>354</u> :56-58.
Iijima et al. (1992), "Growth Model for Carbon Nanotubes," <i>Physical Review Letters</i> <u>69</u> (21):3100-3103.
Iijima et al. (1996), "Structural Flexibility of Carbon Nanotubes," <i>J. Chem. Phys.</i> <u>104</u> (5):2089-2092.
Iijima (1998), "Carbon Nanotubes and Their Recent Developments," <i>Proc. IEEE Eleventh Annual International Workshop on Micro Elector Mechanical Systems</i> , IEEE, Heidelberg, Germany, pp. 520-525.
Kolmogorov et al. (2000), "Barriers to Sliding in Double-Wall Carbon Nanotubes," <i>Bulletin of the American Physical Society, March Meeting 2000</i> <u>45</u> (1):254.
Paulson et al. (1999), "In Situ Resistance Measurements of Strained Carbon Nanotubes," <i>Applied Physics Letters</i> <u>75</u> (19):2936-2938.
Persson (1999), "Sliding Friction," <i>Surface Science Reports</i> <u>33</u> :83-119.
Poncharal et al. (1999), "Electrostatic Deflections and Electromechanical Resonances of Carbon Nanotubes," <i>Science</i> <u>283</u> :1513-1516.
Saito et al. (1992), "Electronic Structure of Chiral Graphene Tubules," <i>App. Phys. Let.</i> <u>60</u> (18):2204-2206.

This Supplemental Information Disclosure Statement is not intended as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any of the above references constitutes prior art to the present application within the meaning of 35 USC § 102.

As applicants have not yet received a first Action on the merits, no fee is required for filing this Information Disclosure Statement. If, however, the PTO finds that for some reason a fee is found to be necessary, our Deposit Account No. 18-0580 may be charged therefor. **A duplicate copy of this paper is enclosed.**

11.16.01  
Date

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